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(71) Applicant (for all designated States except US): **TORO-
TRAK (DEVELOPMENT) LIMITED** [GB/GB]; 1 As-
ton Way, Leyland, Lancashire PR26 7UX (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **NEWALL, Jonathan,
Paul** [GB/GB]; 15A The Cherries, Euxton, Chorley, Lan-
cashire PR7 6NG (GB).

(74) Agent: **W.P. Thompson & Co.**; Coopers Building, Church
Street, Liverpool L1 3AB (GB).

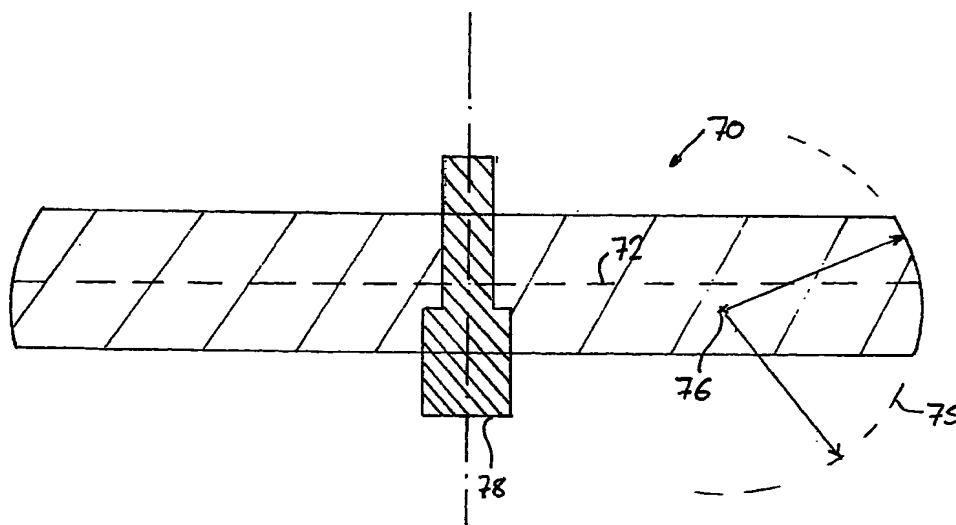
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(54) Title: **ASYMMETRIC ROLLER CROWN**



(57) Abstract: The present invention is concerned with the formation of rollers in a rollingtraction toroidal-race type of continuously variable ratio transmission device ("variator"). Specifically, it concerns variators of the "full-toridal" type in which the variator rollers (48) are permitted to adopt a position in which their centres are close to - or even coincident with - the center line of a toroidal cavity defined by races (30, 32, 42). It has been recognised that the roller centres do not, in such a variator, lie precisely upon the centre line of the variator cavities. Consequently in order to optimise roller performance there is provided, in accordance with the present invention, a roller (70) having an outer perimeter which, viewed in a sectional plane containing the roller axis, has a convex profile which is not symmetrical about any plane perpendicular to the roller axis.

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